

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



Get for ? Site search


[EBI Home](#)
[About EBI](#)
[Research](#)
[Services](#)
[Toolbox](#)
[Databases](#)
[Downloads](#)
[ANALYSIS TOOLS](#)

EBI Dbfetch

```

ID  AE014851   standard; genomic DNA; INV; 251762 BP.
XX
AC  AE014851; AE014188;
XX
SV  AE014851.1
XX
DT  08-OCT-2002 (Rel. 73, Created)
DT  13-FEB-2003 (Rel. 74, Last updated, Version 3)
XX
DE  Plasmodium falciparum 3D7 chromosome 12, section 8 of 9 of the complete
DE  sequence.
XX
KW  .
XX
OS  Plasmodium falciparum 3D7
OC  Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium;
OC  Plasmodium falciparum.
XX
RN  [1]
RP  1-251762
RX  MEDLINE; 22255705.
RX  PUBMED; 12368864.
RA  Gardner M.J., Hall N., Fung E., White O., Berriman M., Hyman R.W.,
RA  Carlton J.M., Pain A., Nelson K.E., Bowman S., Paulsen I.T., James K.,
RA  Eisen J.A., Rutherford K., Salzberg S.L., Craig A., Kyes S., Chan M.S.,
RA  Nene V., Shallom S.J., Suh B., Peterson J., Angiuoli S., Pertea M.,
RA  Allen J., Selengut J., Haft D., Mather M.W., Vaidya A.B., Martin D.M.,
RA  Fairlamb A.H., Fraunholz M.J., Roos D.S., Ralph S.A., McFadden G.I.,
RA  Cummings L.M., Subramanian G.M., Mungall C., Venter J.C., Carucci D.J.,
RA  Hoffman S.L., Newbold C., Davis R.W., Fraser C.M., Barrell B.;
RT  "Genome sequence of the human malaria parasite Plasmodium falciparum";
RL  Nature 419(6906):498-511(2002).
XX
RN  [2]
RP  1-251762
RA  Hyman R.W., Fung E., Conway A., Kurdi O., Mao J., Miranda M., Nakao B.,
RA  Rowley D., Tamaki T., Wang F., Davis R.W.;
RT  ;
RL  Submitted (13-SEP-2002) to the EMBL/GenBank/DDBJ databases.
RL  Stanford Genome Technology Center, Stanford University, 855 California
RL  Avenue, Palo Alto, CA 94304, USA
XX
RN  [3]
RP  1-251762

```

RA Hyman R.W., Fung E., Conway A., Kurdi O., Mao J., Miranda M., Nakao B.,
RA Rowley D., Tamaki T., Wang F., Davis R.W.;
RT ;
RL Submitted (29-JAN-2003) to the EMBL/GenBank/DDBJ databases.
RL Stanford Genome Technology Center, Stanford University, 855 California
RL Avenue, Palo Alto, CA 94304, USA
XX
DR GOA; Q8I0V1.
DR GOA; Q8I4U5.
DR GOA; Q8I4U7.
DR GOA; Q8I4V2.
DR GOA; Q8I4V3.
DR GOA; Q8I4V4.
DR GOA; Q8I4V5.
DR GOA; Q8I4V6.
DR GOA; Q8I4V7.
DR GOA; Q8I4V8.
DR GOA; Q8I4W3.
DR GOA; Q8I4W8.
DR GOA; Q8I4X0.
DR GOA; Q8I4X1.
DR GOA; Q8I4X5.
DR GOA; Q8I4X7.
DR GOA; Q8I4X8.
DR GOA; Q8I4Y0.
DR GOA; Q8I4Y5.
DR GOA; Q8I4Y7.
DR GOA; Q8I4Y8.
DR GOA; Q8I4Z3.
DR GOA; Q8I4Z4.
DR GOA; Q8I4Z5.
DR GOA; Q8I4Z8.
DR GOA; Q8I4Z9.
DR GOA; Q8I500.
DR GOA; Q8I502.
DR GOA; Q8I503.
DR GOA; Q8I507.
DR GOA; Q8I509.
DR GOA; Q8I511.
DR GOA; Q8I512.
DR GOA; Q8I513.
DR GOA; Q8I515.
DR SPTREMBL; Q8I0V1; Q8I0V1.
DR SPTREMBL; Q8I4U2; Q8I4U2.
DR SPTREMBL; Q8I4U3; Q8I4U3.
DR SPTREMBL; Q8I4U4; Q8I4U4.
DR SPTREMBL; Q8I4U5; Q8I4U5.
DR SPTREMBL; Q8I4U6; Q8I4U6.
DR SPTREMBL; Q8I4U7; Q8I4U7.
DR SPTREMBL; Q8I4U8; Q8I4U8.
DR SPTREMBL; Q8I4U9; Q8I4U9.
DR SPTREMBL; Q8I4V0; Q8I4V0.
DR SPTREMBL; Q8I4V1; Q8I4V1.
DR SPTREMBL; Q8I4V2; Q8I4V2.
DR SPTREMBL; Q8I4V3; Q8I4V3.
DR SPTREMBL; Q8I4V4; Q8I4V4.
DR SPTREMBL; Q8I4V6; Q8I4V6.
DR SPTREMBL; Q8I4V7; Q8I4V7.
DR SPTREMBL; Q8I4V8; Q8I4V8.
DR SPTREMBL; Q8I4V9; Q8I4V9.

DR	SPTREMBL; <u>Q8I4W0</u> ; Q8I4W0.
DR	SPTREMBL; <u>Q8I4W1</u> ; Q8I4W1.
DR	SPTREMBL; <u>Q8I4W2</u> ; Q8I4W2.
DR	SPTREMBL; <u>Q8I4W3</u> ; Q8I4W3.
DR	SPTREMBL; <u>Q8I4W4</u> ; Q8I4W4.
DR	SPTREMBL; <u>Q8I4W5</u> ; Q8I4W5.
DR	SPTREMBL; <u>Q8I4W6</u> ; Q8I4W6.
DR	SPTREMBL; <u>Q8I4W7</u> ; Q8I4W7.
DR	SPTREMBL; <u>Q8I4W8</u> ; Q8I4W8.
DR	SPTREMBL; <u>Q8I4W9</u> ; Q8I4W9.
DR	SPTREMBL; <u>Q8I4X0</u> ; Q8I4X0.
DR	SPTREMBL; <u>Q8I4X1</u> ; Q8I4X1.
DR	SPTREMBL; <u>Q8I4X2</u> ; Q8I4X2.
DR	SPTREMBL; <u>Q8I4X3</u> ; Q8I4X3.
DR	SPTREMBL; <u>Q8I4X4</u> ; Q8I4X4.
DR	SPTREMBL; <u>Q8I4X5</u> ; Q8I4X5.
DR	SPTREMBL; <u>Q8I4X6</u> ; Q8I4X6.
DR	SPTREMBL; <u>Q8I4X7</u> ; Q8I4X7.
DR	SPTREMBL; <u>Q8I4X8</u> ; Q8I4X8.
DR	SPTREMBL; <u>Q8I4X9</u> ; Q8I4X9.
DR	SPTREMBL; <u>Q8I4Y0</u> ; Q8I4Y0.
DR	SPTREMBL; <u>Q8I4Y1</u> ; Q8I4Y1.
DR	SPTREMBL; <u>Q8I4Y2</u> ; Q8I4Y2.
DR	SPTREMBL; <u>Q8I4Y3</u> ; Q8I4Y3.
DR	SPTREMBL; <u>Q8I4Y4</u> ; Q8I4Y4.
DR	SPTREMBL; <u>Q8I4Y5</u> ; Q8I4Y5.
DR	SPTREMBL; <u>Q8I4Y6</u> ; Q8I4Y6.
DR	SPTREMBL; <u>Q8I4Y7</u> ; Q8I4Y7.
DR	SPTREMBL; <u>Q8I4Y8</u> ; Q8I4Y8.
DR	SPTREMBL; <u>Q8I4Y9</u> ; Q8I4Y9.
DR	SPTREMBL; <u>Q8I4Z0</u> ; Q8I4Z0.
DR	SPTREMBL; <u>Q8I4Z1</u> ; Q8I4Z1.
DR	SPTREMBL; <u>Q8I4Z2</u> ; Q8I4Z2.
DR	SPTREMBL; <u>Q8I4Z3</u> ; Q8I4Z3.
DR	SPTREMBL; <u>Q8I4Z4</u> ; Q8I4Z4.
DR	SPTREMBL; <u>Q8I4Z5</u> ; Q8I4Z5.
DR	SPTREMBL; <u>Q8I4Z6</u> ; Q8I4Z6.
DR	SPTREMBL; <u>Q8I4Z7</u> ; Q8I4Z7.
DR	SPTREMBL; <u>Q8I4Z8</u> ; Q8I4Z8.
DR	SPTREMBL; <u>Q8I4Z9</u> ; Q8I4Z9.
DR	SPTREMBL; <u>Q8I500</u> ; Q8I500.
DR	SPTREMBL; <u>Q8I501</u> ; Q8I501.
DR	SPTREMBL; <u>Q8I502</u> ; Q8I502.
DR	SPTREMBL; <u>Q8I503</u> ; Q8I503.
DR	SPTREMBL; <u>Q8I504</u> ; Q8I504.
DR	SPTREMBL; <u>Q8I505</u> ; Q8I505.
DR	SPTREMBL; <u>Q8I506</u> ; Q8I506.
DR	SPTREMBL; <u>Q8I507</u> ; Q8I507.
DR	SPTREMBL; <u>Q8I508</u> ; Q8I508.
DR	SPTREMBL; <u>Q8I509</u> ; Q8I509.
DR	SPTREMBL; <u>Q8I510</u> ; Q8I510.
DR	SPTREMBL; <u>Q8I511</u> ; Q8I511.
DR	SPTREMBL; <u>Q8I512</u> ; Q8I512.
DR	SPTREMBL; <u>Q8I513</u> ; Q8I513.
DR	SPTREMBL; <u>Q8I514</u> ; Q8I514.
DR	SPTREMBL; <u>Q8I515</u> ; Q8I515.
DR	SWISS-PROT; <u>Q8I4V5</u> ; UT11_PLAF7.
XX	
FH	Key Location/Qualifiers
FH	

```

FT   source                1..251762
FT                           /chromosome="12"
FT                           /db_xref="taxon:36329"
FT                           /mol_type="genomic DNA"
FT                           /organism="Plasmodium falciparum 3D7"
FT                           /isolate="3D7"
FT   repeat_region        complement(70..161)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(206..243)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(262..350)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        355..391
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(355..391)
FT                           /rpt_unit=A
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(424..453)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(508..543)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(589..627)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(638..676)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   repeat_region        638..672
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(734..757)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(760..843)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   repeat_region        760..784
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(869..952)
FT                           /note="AT_rich"
FT                           /rpt_type=TANDEM
FT   repeat_region        973..1006
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(973..1006)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   repeat_region        complement(1078..1101)
FT                           /rpt_unit=TA
FT                           /rpt_type=TANDEM
FT   mRNA                 complement(<1118..>7093)
FT                           /locus_tag="PFL1990c"
FT   CDS                   complement(1118..7093)
FT                           /codon_start=1
FT                           /db_xref="GOA:Q8I515"
FT                           /db_xref="SPTREMBL:Q8I515"
FT                           /product="hypothetical protein"

```

```

FT          /locus_tag="PFL1990c"
FT          /protein_id="AAN36482.1"
FT          /translation="MNKNTLTNNIHDKNYKYSKNRKASNDEMAYITNEEINMNNSHIGK
FT          EKNVDCNKDGTIFKLVDKNNNDMLLKDETKEFTSKSSNKDVTFLGEGKSGRYLENTITNR
FT          IDTPLNRKNISSINNNNNNNNNNNNNNGDITNFKNQVDNNSNIYNTAIYTNYNGLGTR
FT          DDIYNNSCINNIDNSNSRNITNYIIRSNIKIKRKKNKIIYYNTTHNNRAITQKGYDIQE
FT          KYNSLDIVDKNKTEGVYNTDEINMECIENKLEDGYNNTNIWDKVNVSLSNCKLSEGENE
FT          KRSEEIYLNNFVSDKNDMNTWDINNMMNNMYSNLGCCEKNYLVPNENHKRWTDEYN
FT          IDEMFIKKNDIEHINPDIIINNYKNNNIHKTTENIGNIKSNNNYINDRSTINGDKLKKL
FT          TNENIYHNEYKNKNSDDNTKYKNRNRNYRNKYMNRKNNKNTKNNANNKSECINDGTNC
FT          SLYDSINSYNINNNNNNNVENVTNIFKNTPFSHITMENNIREDTSNIPVHTNKYLLMQ
FT          KNVNDIINFNIAKNNSTNENNILVDNMNDNLKEKNDMPDDIDKFLFNQNESISMDGTKY
FT          IMNDLEKCKTCMEGEKEINDVIEHISEKENIDTKKKKYSNKKKNHLPNLNSTIHTLKN
FT          IYHNVQDKDEEKLGSNIINNTNSDINNKKMDENEHNGNGNSNDNDNGNGNGNIGVHI
FT          SQHNNLINMNSIISNEYTYMNEPKDENNVYPYNYVRNIEDSSSCRNNINNVNLFGNK
FT          TYINVNNIVTKMFNDTNRSTTNKNNMNNISQIYENNPSSLNLSLVITKTNMQDSINSN
FT          MNI IHNNNNNNNNNGVYFFNGGNNCVNVNCTKNTSNEKDVFNSSVSKTLNENMSIERP
FT          VILNNSQMLEAFIQGRCLCLSDSLDHPMPLCPNNSFVCPNCHNVSHRGNDKPMKCRFCL
FT          KYHMGISIMDCLKKARIQTEKNNSNHDKKDNHNSSCSTSNNNMMKINKNSKSNDEKVINI
FT          GPRFDISTRPDNSYGRSVYVSNLSEDISNIQLRDTINLHLDNGFVVNIDRQDGYAFVEL
FT          SNLYSTFQLVQKTVSINFKKLKIQFKKTGQFLIPDNLQSFGNMKNFNININMNSTNNH
FT          NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
FT          PNHMINKSLSNKGTTFLNIPPNRSRQYNNRSANNKGNMGANKQYNNKNNNNNNNNKKTN
FT          SNVNINHTNKSQINNIIINNINNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
FT          KFTNTHLFNGDTFLENKNKNIYKSFHPKYSKNTPHLFNNQQLFHATELQKVHQNSIEP
FT          REEVKKNDIKENIKKNYACSNSFDNEINKYHIPQKENNKMLTENNYQKNRNSYNVNTIM
FT          LDQKKCKDNNLFGSVEYKINMENKNNFSNECNNSYDHNFIYNYNFSNDNKLPHYKCASTS
FT          NNYNCPNNNNNSQNDYNTTYNHGLSKVNENTDNSSIDI PFRNHDNKIISDYMNSNTNTTA
FT          SGFCPNTLFRSNDISNKLMMQEVNIYMNISNEENRQINKSMRNETNKTATITTTSDNI
FT          MNASFFNTMLYVKDDYVDKCEGNNSTNWIGYPENAINNNNSNDNINIINSKNMMDNMN
FT          IYKNPPRYMNEIIVNTLNTFPHENKNISPKYINEKENDEFEYNTHLNKISILDDAI
FT          EINQNTIDYDQYNYDNI PSFNNNDNNIDKYTIQNNVDQNAVNTNYNTSNYNIQMKEENN
FT          YKENDLLYYTNFDKTNIKNEEHIYINKNIWKDKFDNCYINICNDMFFGNNDIYDIFSNFN
FT          SLKMYENNIANDNIMENIGKHVNIDNIMNETTMDHIENDGTIDPIENDVTIDHTDNNGE
FT          DNNIAYNDTYIFNNNIRFNNTRLNNDTFQNVEDWNKNKLSLILKKNNENIMFDDNKDMTN
FT          ENEQNKKDIDDLIELNIPYMKNMKDKELDIAEQDLERHIKALWNIRKIKIVKSYDVQK"
FT  repeat_region  1492..1556
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(1738..1759)
FT                  /note="AT_rich"
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(1769..1833)
FT                  /note="AT_rich"
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(2165..2229)
FT                  /note="AT_rich"
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(2393..2494)
FT                  /rpt_unit=TAAA
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(2749..2818)
FT                  /note="AT_rich"
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(3177..3198)
FT                  /note="AT_rich"
FT                  /rpt_type=TANDEM
FT  repeat_region  complement(3296..3471)
FT                  /rpt_unit=TAA
FT                  /rpt_type=TANDEM
FT  repeat_region  3296..3370

```

```

FT          /rpt_type=TANDEM
FT  repeat_region complement(3658..3781)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 3658..3772
FT          /rpt_type=TANDEM
FT  repeat_region complement(4137..4243)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 4616..4644
FT          /rpt_type=TANDEM
FT  repeat_region complement(4616..4644)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(4983..5004)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 5034..5081
FT          /rpt_type=TANDEM
FT  repeat_region complement(5036..5135)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(5234..5322)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(5666..5712)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(5766..5866)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(5910..6022)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(6464..6594)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 6701..6742
FT          /rpt_type=TANDEM
FT  repeat_region complement(6701..6742)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(7152..7331)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 7206..7233
FT          /rpt_type=TANDEM
FT  repeat_region 7280..7331
FT          /rpt_type=TANDEM
FT  repeat_region complement(7373..7441)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(7518..7547)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(7814..7860)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(7905..7954)
FT          /note="AT_rich"

```

```

FT          /rpt_type=TANDEM
FT  repeat_region 7979..8005
FT          /rpt_type=TANDEM
FT  repeat_region complement(7979..8005)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(8018..8100)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(8168..8221)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 8222..8251
FT          /rpt_type=TANDEM
FT  repeat_region complement(8222..8251)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(8300..8331)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 8378..8433
FT          /rpt_type=TANDEM
FT  repeat_region complement(8378..8433)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(8454..8485)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 8552..8593
FT          /rpt_type=TANDEM
FT  repeat_region complement(8552..8593)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(8742..8792)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 8820..8874
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 8820..8858
FT          /rpt_type=TANDEM
FT  repeat_region complement(8876..8930)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(8975..9011)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 9020..9069
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(9171..9241)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(9279..9319)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 9330..9372
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 9330..9359

```



```

FT          /rpt_type=TANDEM
FT  repeat_region complement(9390..9677)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 9706..9743
FT          /rpt_type=TANDEM
FT  repeat_region complement(9706..9743)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(9769..9986)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 9904..9979
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 9921..9979
FT          /rpt_type=TANDEM
FT  repeat_region 9927..9980
FT          /rpt_type=TANDEM
FT  repeat_region 10024..10048
FT          /rpt_unit=GAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 10105..10158
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(10296..10357)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(10448..10522)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 10455..10504
FT          /rpt_type=TANDEM
FT  repeat_region complement(10563..10638)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 10683..10740
FT          /rpt_type=TANDEM
FT  repeat_region complement(10683..10740)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 10813..10841
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(10852..10930)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 10937..11012
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 11090..11189
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(11198..11237)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 11239..11264
FT          /rpt_type=TANDEM
FT  repeat_region complement(11239..11264)
FT          /rpt_unit=A

```

```

FT          /rpt_type=TANDEM
FT  repeat_region 11313..11333
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(11383..11418)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(11490..11534)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(11625..11654)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 11682..11722
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(11774..11802)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(11948..11993)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 11964..11993
FT          /rpt_type=TANDEM
FT  repeat_region 12111..12144
FT          /rpt_type=TANDEM
FT  repeat_region 12111..12143
FT          /rpt_type=TANDEM
FT  repeat_region complement(12111..12143)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 12257..12285
FT          /rpt_type=TANDEM
FT  repeat_region complement(12257..12285)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(12329..12416)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(12463..12523)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 12481..12582
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(12602..12713)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA        complement(<12698..>13960)
FT          /locus_tag="PFL1995c"
FT  CDS         complement(12698..13960)
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I514"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL1995c"
FT          /protein_id="AAN36483.1"
FT          /translation="MNKKLEKSFSFIRNFAEKYKNVIFHGFKKGTVKTINKKNRKKKKQ
FT          NVTNIVDLKFKNPFINEKKRKLDSEFLMDQENELDLHENYTLFNKYNMTSDNLFNLKN
FT          DNLYNNNNNNTSGTFLKSLNIENKNGDLSDDKIKINYLDLSLSLELKIKQEIQNNDLL
FT          SKQKMELNEYHYKTHNNGKKSEVRIKRTNSHLNKDSNRIYKRRKNNESQLDNVSIKSK

```

```

FT          NKKKKKGYPNKDKSYSNSSKNINSNSNVDSKQIKGTCLIQHNEKIIKKTNPDPNENMNL
FT          NTENILLKNNELIKENTKNNLVFGKNIYENINDMFHNVFEVNQEHNKNDIIKTPINNLM
FT          DREHSNTRSNTNINNINNNHIDDNRNTNESNIKEVKSNTNQKDWELFKHINNNGTPFK
FT          EDNTFDIFFNEPLETPSIFQI"
FT  repeat_region complement(12847..12907)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(13214..13311)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(13618..13638)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(13650..13674)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(13962..13999)
FT          /rpt_unit=GAA
FT          /rpt_type=TANDEM
FT  repeat_region 14009..14056
FT          /rpt_type=TANDEM
FT  repeat_region complement(14009..14056)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(14098..14128)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(14163..14508)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 14224..14285
FT          /rpt_type=TANDEM
FT  repeat_region complement(14224..14281)
FT          /rpt_unit=CAAA
FT          /rpt_type=TANDEM
FT  repeat_region 14224..14266
FT          /rpt_type=TANDEM
FT  repeat_region complement(14543..14613)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 14547..14595
FT          /rpt_type=TANDEM
FT  repeat_region complement(14646..14701)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 14662..14701
FT          /rpt_type=TANDEM
FT  repeat_region complement(14789..14948)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(14877..14910)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(14970..15001)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 15110..15173
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(15291..15319)

```

```

FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(15369..15516)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 15511..15535
FT          /rpt_type=TANDEM
FT  mRNA        join(<15603..15615,15757..15969,16176..16254,16451..16650,
FT          16760..16822,16922..16983,17144..>17284)
FT          /locus_tag="PFL2000w"
FT  CDS        join(15603..15615,15757..15969,16176..16254,16451..16650,
FT          16760..16822,16922..16983,17144..17284)
FT          /codon_start=1
FT          /db_xref="GOA:Q8I513"
FT          /db_xref="SPTREMBL:Q8I513"
FT          /note="HMMPfam hit to PF00153, Mitochondrial carrier
FT          protein, score 3.3e-14"
FT          /product="mitochondrial carrier protein, putative"
FT          /locus_tag="PFL2000w"
FT          /protein_id="AAN36484.1"
FT          /translation="MEHLKNLITGAISGAIVDAVLFPIDYIKTNIQTNNFSIYDPRKL
FT          YNGILPTLIGTVPASAFFYCFYELSKLLTDYNANINKSSLYLISTSIAEITACIIRLP
FT          FEILKQNMQVSGNISTLKAIYNISKNDLPIYLLNSYLMVAREIPFDCIQYFLWESLK
FT          EKGKKDFKNISEIYPTLTSALCGGIAGGISGFLTTPVDVIKSRQIIYGKSYIETIKDIS
FT          KGGFLSFYKGCYVRASYLCFGGMIFFGCLRFFSF"
FT  repeat_region complement(15617..15667)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(15708..15766)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 15978..16006
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 15978..16003
FT          /rpt_type=TANDEM
FT  repeat_region complement(16100..16156)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(16282..16303)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 16378..16403
FT          /rpt_type=TANDEM
FT  repeat_region complement(16378..16403)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 16631..16711
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(16714..16774)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 16837..16859
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(16860..16895)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 16990..17022

```

```

FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 16994..17022
FT          /rpt_type=TANDEM
FT  repeat_region complement(17065..17137)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(17278..17366)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(17451..17481)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(17515..17595)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 17626..17668
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 17630..17696
FT          /rpt_type=TANDEM
FT  repeat_region complement(17672..17738)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 17694..17738
FT          /rpt_type=TANDEM
FT  repeat_region complement(17780..17899)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 17936..17956
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(17997..18119)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(18151..18305)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 18356..18404
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(18429..18470)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(18485..18512)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(18624..18659)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 18711..18742
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(18744..18787)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 18755..18791
FT          /rpt_type=TANDEM
FT  mRNA        join(<18856..19020,19268..>20113)
FT          /locus_tag="PFL2005w"

```

```

FT   CDS                               join(18856..19020,19268..20113)
FT                                   /codon_start=1
FT                                   /db_xref="GOA:Q8I512"
FT                                   /db_xref="SPTREMBL:Q8I512"
FT                                   /note="HMMPfam hit to PF00004, ATPase family associated
FT                                   with various cellular activities (AAA), score 1.1e-11"
FT                                   /product="replication factor c subunit 4"
FT                                   /locus_tag="PFL2005w"
FT                                   /protein_id="AAN36485.1"
FT                                   /translation="MEEDSFKNRLKRNIDIWIEKYRPEFLDEVVGNPFVINTLKSIIIT
FT                                   SGNMPNLLLAPGTGKTTTILCLASEMLGNQAKKAVLELNASDDRGINVIRDRIKSFA
FT                                   KEIISLPPGKHKHIIILDEVDSMTTAAQQSLRRIMELYSDTTRFALACNQSEKIIDALQS
FT                                   RCAIIRYFKLSDDQVLKRLKICDLENIKYTDGDLALTFIADGDLRKAVNCLQSTYAG
FT                                   LEVINKENVLHICDIPSPERIENLLKHCVNSEWKKAHDIAYSMIKEGHTPYDISLTSSN
FT                                   VLRRFNIGSEVIQIEFLKIGAMACNTMATGLTSVIQLDKLLADWCMAAKILRSKA"
FT   repeat_region                     19023..19046
FT                                   /rpt_unit=A
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(19076..19113)
FT                                   /rpt_unit=TA
FT                                   /rpt_type=TANDEM
FT   repeat_region                     19076..19101
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(19235..19266)
FT                                   /note="AT_rich"
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20127..20152)
FT                                   /rpt_unit=TA
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20182..20204)
FT                                   /note="AT_rich"
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20228..20279)
FT                                   /note="AT_rich"
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20345..20401)
FT                                   /rpt_unit=TA
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20402..20489)
FT                                   /note="AT_rich"
FT                                   /rpt_type=TANDEM
FT   repeat_region                     complement(20494..20594)
FT                                   /rpt_unit=TA
FT                                   /rpt_type=TANDEM
FT   repeat_region                     20494..20523
FT                                   /rpt_type=TANDEM
FT   mRNA                             join(complement(20718..>23350),complement(<20626..20677))
FT                                   /locus_tag="PFL2010c"
FT   CDS                               join(complement(20718..23350),complement(20626..20677))
FT                                   /codon_start=1
FT                                   /db_xref="GOA:Q8I511"
FT                                   /db_xref="SPTREMBL:Q8I511"
FT                                   /note="HMMPfam hit to PF00270, DEAD/DEAH box helicase,
FT                                   score 8.3e-42"
FT                                   /product="DEAD/DEAH box helicase, putative"
FT                                   /locus_tag="PFL2010c"
FT                                   /protein_id="AAN36486.1"
FT                                   /translation="MNDAQIKDMNDEEEKEEIEIKENINDKINEIDNDDNDDGDDDDG
FT                                   DDDDEDEDEDSDNDDNDDNDEDEDNDDNDDNDDSDNDDDDHNDVKKSSKNKKKNNEEMF
FT                                   DRSNHFDNFDNIMLDVRLRKALLYLFKYQHPTIIQKMSICKILNGHDVIISSKTGSGKT

```

```

FT      MAYLIPVVHNLKIFNLNEKDHLKFFYKCIICPTEELCLQIYDVTKKLCTYLKDIITVN
FT      HNVNNTFYEHPTILISTPKDLCTHIEKKKKNNLDILMNLKILILDEADVLHTQEFQSY
FT      LKTLTSYLPKKFNKKYQIVMASATLKRNILEKTKLFLHNPIYVSHEQKNNESSFEKKKNK
FT      TNNTNSVIMKREEAGKNNIHDEGNEGKTKYQKFTGKAFYVYKEELIKYIYLYNLIKIK
FT      IIPYKSIIFTTTIHDAYKIKIFLTYLNVSSSILNPNHPILIRQNIISAFNNSKFHFLIC
FT      PQYEKNNMKHVKGVLGSNKMDNVDGGDDNDDDEDDGDYNDDDDDNDDDDNDDDDNDN
FT      DDEDEDNDEDEDNDDDDGDDNDDNDDNDDNDDNDDQTLNEPLSDNNSCRTYNSSDENE
FT      KTDDTTKLNEEKDFLYSRGLDFYDVKCVNFDMPDSETFIHRIGRTCRLNNKGKCSIF
FT      VNELNYGEKEFLQKLIEDKNICTMIKKNIQYNIVEKYRVRVESTLNKCTNKKIKLFIQK
FT      EILYQSLKSKELKDFNTNINEKRKINKIKHFNKAVIPQKLIKDRNQSI FLNKS VKN
FT      KIIQKNNTNNKNKNNNNNNIKPFALKNNNGLVITEQGYESQLTKEPEREVADPSKLPPLC
FT      GQRLRNYMYLKYIKGKKNKNGSNMKSYSNNKKRKNNNKYNRYNKYNKKGINKNHNK
FT      RNTNFNRIQKKIIFLLSLFCMLQ"
FT      repeat_region complement (20656..20714)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (20737..20870)
FT      /rpt_unit=TAAAAA
FT      /rpt_type=TANDEM
FT      repeat_region 21037..21076
FT      /rpt_type=TANDEM
FT      repeat_region complement (21037..21076)
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 21692..21899
FT      /rpt_type=TANDEM
FT      repeat_region 21692..21720
FT      /rpt_unit=CAT
FT      /rpt_type=TANDEM
FT      repeat_region 21722..21899
FT      /rpt_unit=CAT
FT      /rpt_type=TANDEM
FT      repeat_region complement (22084..22106)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (22126..22220)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (22553..22614)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region 23097..23255
FT      /rpt_unit=CAT
FT      /rpt_type=TANDEM
FT      repeat_region 23099..23255
FT      /rpt_type=TANDEM
FT      repeat_region complement (23381..23412)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (23461..23688)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (23735..23764)
FT      /rpt_unit=TA
FT      /rpt_type=TANDEM
FT      repeat_region complement (23769..23801)
FT      /rpt_unit=A
FT      /rpt_type=TANDEM
FT      repeat_region complement (23806..23840)
FT      /note="AT_rich"

```

```

FT          /rpt_type=TANDEM
FT  repeat_region complement(23843..23886)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(23890..23923)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(23964..23991)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(23992..24106)
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(24121..24155)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(24174..24284)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 24204..24227
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(24285..24332)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 24285..24316
FT          /rpt_type=TANDEM
FT  repeat_region complement(24392..24459)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(24481..24543)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(24586..24658)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 24618..24658
FT          /rpt_type=TANDEM
FT  repeat_region 24667..24696
FT          /rpt_type=TANDEM
FT  repeat_region complement(24667..24696)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(24737..24762)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(24854..24954)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 24939..25015
FT          /rpt_type=TANDEM
FT  repeat_region complement(24955..25017)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 24955..24998
FT          /rpt_type=TANDEM
FT  repeat_region complement(25047..25079)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  mRNA      <25082..>27112

```



```

FT          /locus_tag="PFL2015w"
FT  CDS      25082..27112
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I510"
FT          /note="HMMPfam hit to PF00515, TPR Domain, score 2.8e-05"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2015w"
FT          /protein_id="AAN36487.1"
FT          /translation="MEIINLLHITSLSIFLLTLLGIWVYKTLIINKEKKKKKNQEENEE
FT          KKKKEKKEHSNIFFNNKEGEIYCDDEKCYLINKENKNILLKKRDNKEIKENINVADTMS
FT          SSDMNNMTMKNVINDDHINNHYKTMQENKSVNNFEGELKNDHLQISKDNQNDNNNFICYN
FT          NKYNSVCKIKTENSLLNNSNENKSETDNENSDDKINNKMNDSTIESIFDIKGEDVKYK
FT          DDLDNKDNMMNDIKREDVKYKDDLNDKDNVNDIKGEDVKYKDDLNDKENVMNDIKRED
FT          VKYKDDLNDKDNMMNDIKREDVKYKDDLNDKDNVNDIKGEDVKYKDDDFYNKDNVNYEE
FT          KNNHLSECVNKTQNEYPVEEHTSNEVEKNKKDIDSTNKTKYPSNRNYSDNYINYDTDE
FT          NSNISSSKENDISDEYSSYNNDNNSDKFVEGDNQKHIQDDILNKSVEEIKDIGNNYFKN
FT          NDYLNAIYYYNKALKCKDKNIKSILYSNRAACNIFLKKWNTVIEDCNKSIHLNDNFAK
FT          SYIRRSNAYEQLQKYNDASNDLNKALTIDPNLLKNYQVKQRKLKELAEQQLNKEKEEMV
FT          GKLKDFGNLLLKGVLGLSLDNFEVQKNPNNDGSFNIQFKQNK"
FT  repeat_region 25171..25236
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(25317..25375)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(25545..25583)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 25717..26088
FT          /rpt_type=TANDEM
FT  repeat_region complement(26396..26484)
FT          /rpt_unit=CAT
FT          /rpt_type=TANDEM
FT  repeat_region 26444..26467
FT          /rpt_unit=GAA
FT          /rpt_type=TANDEM
FT  repeat_region 26502..26535
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(26614..26714)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 27124..27143
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(27177..27266)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 27283..27324
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(27356..27397)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 27372..27397
FT          /rpt_type=TANDEM
FT  repeat_region complement(27457..27480)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM

```

```

FT   repeat_region  27484..27510
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(27537..27596)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(27630..27674)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(27714..27735)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(27752..27829)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(27850..27928)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  27850..27894
FT                   /rpt_type=TANDEM
FT   repeat_region  27892..27935
FT                   /rpt_type=TANDEM
FT   mRNA           complement(<27938..>29533)
FT                   /locus_tag="PFL2020c"
FT   CDS            complement(27938..29533)
FT                   /codon_start=1
FT                   /db_xref="GOA:Q8I509"
FT                   /db_xref="SPTREMBL:Q8I509"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2020c"
FT                   /protein_id="AAN36488.1"
FT                   /translation="MKVTYAVRLLLPVYFLFFWIHLNIVRSDNVCKGADVIVNEFWSKL
FT                   NNIRHGDVILINIKNYCPACNRYMNIWNDVEKKILTIEKNVSLFVFDSCSYLLVPYCR
FT                   YFDVLYFPTFRLLFPVYDKINDKEYKYINPSSMIEGEKYNGDLLLAYREVERIDNIYDF
FT                   KILIEKYLCKNVNFNYNDLRICMNSSYILPEKKNKKKNEIYHFLFGYKNDKNKEEIKDS
FT                   VNVMNDDFIENNYDYEENKENVERWSNHINFNKDNIKHDIIGILFTLKKHISLGRDIQ
FT                   KEYIEPFLVMSIVSNIYNDLEEGLYDIINKLNSFTYPIKYDEWIKYTENINININEYKL
FT                   DYNNNNNNDTNLISFKLCEQNSVLCYWLLYHKISVYCLQHDKNYLYYIEAITNYTKN
FT                   YLNCQNCIDHFLNAQKFCYGYCNIHSAESFIIFLWRIHNAVTLRSMYDLLMIDNNTST
FT                   PSNNFNKKQFLNQDIVFPTLKQCKNCRNALGFTKITNHTLSTFKNGSITDQSFDAIDSF
FT                   SVKNVLHYLIHIYS"
FT   repeat_region  complement(28486..28509)
FT                   /rpt_unit=TAA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(28514..28545)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(28591..28619)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(28718..28785)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(28994..29061)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(29347..29376)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(29572..29637)

```

```

FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  29588..29629
FT          /rpt_type=TANDEM
FT  repeat_region  complement(29675..29757)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region  complement(29710..29742)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  29713..29742
FT          /rpt_type=TANDEM
FT  repeat_region  complement(29809..29866)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  29868..29891
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region  complement(29906..29941)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(29951..29971)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30007..30065)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  30023..30065
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30168..30194)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30279..30308)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  30283..30308
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30336..30380)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  30405..30453
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30461..30513)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30542..30593)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30632..30727)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  30757..30907
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region  30867..30938
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region  complement(30941..30971)
FT          /rpt_unit=TA

```

```

FT          /rpt_type=TANDEM
FT  repeat_region 31019..31046
FT          /rpt_type=TANDEM
FT  repeat_region complement(31019..31046)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(31080..31132)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(31138..31237)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  mRNA          <31259..>31465
FT          /locus_tag="PFL2025w"
FT  CDS          31259..31465
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I508"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2025w"
FT          /protein_id="AAN36489.1"
FT          /translation="MINKNPYSEKKNDISDKLNYKNINDVSIHELNCLKNNRAVYLKRG
FT          NMFFISSKEEALEVLKNKSTQMK"
FT  repeat_region complement(31460..31481)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 31651..31689
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(31718..31815)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 31727..31780
FT          /rpt_type=TANDEM
FT  repeat_region 31778..31808
FT          /rpt_type=TANDEM
FT  repeat_region complement(31822..31872)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA          <31975..>33777
FT          /locus_tag="PFL2030w"
FT  CDS          31975..33777
FT          /codon_start=1
FT          /db_xref="GOA:Q8I507"
FT          /db_xref="SPTREMBL:Q8I507"
FT          /note="HMMPfam hit to PF01702, Queueine
FT          tRNA-ribosyltransferase, score 1.9e-64"
FT          /product="queueine tRNA ribosyltransferase, putative"
FT          /locus_tag="PFL2030w"
FT          /protein_id="AAN36490.1"
FT          /translation="MLPNRRHKNDLLKRQVKNRKVILFNDHNIELINLKRKYNKRTKYK
FT          NLDAFITNLKVTHVNVHNKSIITYVKKKKLLFSNKIYNHFNYPGDFSVLKENNNEQDK
FT          SRIGIIKTPRGDIETPNFLFCATKGCMKSTPIDFIKKCNTQVILSNTFHLIIQPKPHII
FT          FQLGGLHKFMNWNSPILTDGGYQIFSMSFGSVSNEIKRKCAGTPQITKMSIKNKKKDN
FT          LNNEEDQVNNNFINNCCENNMYNKKGKCLSNNNNSNNNNNNNNSEKSVTDTNLNLKQ
FT          IILKLNEKGAEYKSYDGSIDLLSPESIIQSQYLLGSDFILVLDECTPYHVDKIYTEKS
FT          MHRSHRWYVRCLAEFYKSQNMKNYHEYLNDIYNKKYKTNDKWIKRDKNNQAIYGIQGG
FT          IYPDLRLKSCDFVYNLPFFGLCIGGCLGKDKDMYAVIKQTMIDIHDIKKKKEKNTYKE
FT          KPIHLLGIGQIKDIIYGKQGIDTFDCVIPSLARHGYFLSKIETIETIEKKLKRKLQN
FT          EYIKIKLSIFQSDNQPLEEDCACYTQHYSRAYLHHLYKINDNLLGTLTITHNVYYMNH
FT          LMQDIRNSIKEGNINQIEQKYIKK"

```

```

FT   repeat_region   complement(32665..32714)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   32730..32776
FT                               /rpt_unit=TAA
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(33035..33106)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(33794..33822)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(33856..33979)
FT                               /rpt_unit=AAAAA
FT                               /rpt_type=TANDEM
FT   repeat_region   33928..33978
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(33983..34032)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34064..34180)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34196..34235)
FT                               /rpt_unit=A
FT                               /rpt_type=TANDEM
FT   mRNA             join(complement(35383..>35537),complement(35218..35273),
FT                               complement(34997..35022),complement(34831..34892),
FT                               complement(34609..34702),complement(34452..34500),
FT                               complement(<34234..34352))
FT                               /locus_tag="PFL2035c"
FT   CDS             join(complement(35383..35537),complement(35218..35273),
FT                               complement(34997..35022),complement(34831..34892),
FT                               complement(34609..34702),complement(34452..34500),
FT                               complement(34234..34352))
FT                               /codon_start=1
FT                               /db_xref="SPTREMBL:Q8I506"
FT                               /product="hypothetical protein"
FT                               /locus_tag="PFL2035c"
FT                               /protein_id="AAN36491.1"
FT                               /translation="MDNIRDKLERYEPDEETKILCTKYIYFLLFYNSYIFILFIYTFFT
FT                               TPISSYGWLFNMNLYFCIFPVFAFMGNSYIPSLRLFYNWMLFVSSIISIFIVLEAIFTF
FT                               KKIDLYLMICYATLTCSENTFLCWHVTQSI FGGVKAPNSVLDTLRPHTVNQNEYSNKYKK
FT                               KDDGQKKFIGKGRSIKDSNYIEV"
FT   repeat_region   complement(34365..34450)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34514..34597)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34667..34702)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   34707..34729
FT                               /rpt_unit=A
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34747..34774)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(34788..34829)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(35048..35095)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 35048..35081
FT          /rpt_type=TANDEM
FT  repeat_region complement(35153..35208)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(35275..35313)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(35414..35472)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 35547..35596
FT          /rpt_type=TANDEM
FT  repeat_region complement(35552..35600)
FT          /rpt_unit=CATATA
FT          /rpt_type=TANDEM
FT  repeat_region 35701..35736
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 35701..35732
FT          /rpt_type=TANDEM
FT  repeat_region complement(35758..35789)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(35817..35879)
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(35907..35958)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(36027..36093)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(36094..36117)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(36144..36168)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 36246..36270
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(36278..36309)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(36343..36407)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(36493..36528)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  mRNA      join(<36547..36711,36857..37195,37570..37931,38076..>38562
FT          /locus_tag="PFL2040w"
FT  CDS      join(36547..36711,36857..37195,37570..37931,38076..38562)
FT          /codon_start=1

```

```

FT          /db_xref="SPTREMBL:Q8I505"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2040w"
FT          /protein_id="AAN36492.1"
FT          /translation="MNKKKLKGKKKEAKDKKSNNKLKKLTNGELENI IKTQKEELIRIN
FT          QKKHLLLEKKLSEKNKEFEI FKNEYKELKNKVVINEDCEKFDEKIQEEDKTIKSKSIFY
FT          NFQNEEELKKLEKEKDNLKNLIDERHEETMNNILNHIEQQRLSLDYEKNNKNFEEINELN
FT          ISFDVRMQNVEELFTKYLETYDIEKKEEMDDIIENYKILERNEINYIQNMYNDHVKSIK
FT          EIHMVVLENYKKYYIDQLKENIKKI KSLKEKINELEINDKEIKNDLSVHNNEYYSMVEN
FT          IKNLELKRENLLKDLKFYSKDFVIYKNLELIYNESDVHIKNLKKQFSQSSRDKITQVEKE
FT          LKRISDELVDDYFEDIKKKNILLKKKIESIDINLDDINKEFQSYIKENNIKDEDVQN
FT          VRKGINFCLNTYNREFDNL LYTQKKMKKKIKD TVNIYEKKLKDINIKETT"
FT  repeat_region 36748..36773
FT          /rpt_type=TANDEM
FT  repeat_region complement(36748..36773)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(36820..36853)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(37251..37319)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 37367..37398
FT          /rpt_type=TANDEM
FT  repeat_region complement(37367..37398)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 37510..37537
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(37756..37776)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(37936..38034)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 37950..37983
FT          /rpt_type=TANDEM
FT  repeat_region 37965..38012
FT          /rpt_type=TANDEM
FT  repeat_region complement(38559..38627)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 38570..38607
FT          /rpt_type=TANDEM
FT  repeat_region complement(38570..38607)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(38646..38677)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 38969..38999
FT          /rpt_type=TANDEM
FT  repeat_region complement(38969..38999)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(39063..39128)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM

```

```

FT   repeat_region   39063..39102
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(39287..39335)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   mRNA            <39345..>40490
FT                   /locus_tag="PFL2045w"
FT   CDS             39345..40490
FT                   /codon_start=1
FT                   /db_xref="SPTREMBL:Q8I504"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2045w"
FT                   /protein_id="AAN36493.1"
FT                   /translation="MSKPKILISQIKNVGDIKLRNLKGIESCCKKIFGYVENMPGEKNW
FT                   LKPLVGKSMQNYYPFSKYLHLDFNLKEYLRMQTVRFKKKETNESLLKLQKCINMIIENK
FT                   DMIDKFLCKIPKELFIENQSLKDFYELYLTITYPSHIYKPNLLFDIKELNLEKERFSWFF
FT                   YNKKNDRKDKITINDSENNDISYNSEGDEVHKNIKEIGNEEKNQDEDNTKNNYMQKENF
FT                   SNYENIIFNKTKKKIKFKKIIICMDQINEKTNKNNTSLINNIMSNDNIIYLDNDLNVGL
FT                   EKTIPKDNKTNEEIEKSKNEFYNLLNENESLKKTLSIRNRFIDPLYLRRRYSYIDKLTK
FT                   KKI KKEKHKT YRKHF IQHADEKKVWPDNKGLLNKIYPNPYS"
FT   repeat_region   complement(39828..39848)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region   39926..40111
FT                   /rpt_unit=TAAAAA
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(40514..40684)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(40687..40828)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region   40920..40992
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(41013..41048)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region   41072..41194
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(41072..41194)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region   complement(41202..41250)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   mRNA            <41264..>42757
FT                   /locus_tag="PFL2050w"
FT   CDS             41264..42757
FT                   /codon_start=1
FT                   /db_xref="GOA:Q8I503"
FT                   /db_xref="SPTREMBL:Q8I503"
FT                   /note="HMMPfam hit to PF01239, Protein prenyltransferase
FT                   alpha subunit repeat, score 1.4e-05"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2050w"
FT                   /protein_id="AAN36494.1"
FT                   /translation="MENRCLYAYKKKFGVSYPEHLDDQFEPLNNVMLNMEQKNFVIE
FT                   IKDLEEDAKKYLLIDEKGDINKKEKISLINTYYSRERMLFCLLSLLIEKKEYSFEGYII
FT                   CSYVIKMNSSSYSAWVYRRKCLKKLNLNLLNDLKFTKYIISDNIKSFSQSWFHRRWLIEY

```



```

FT          IYKMNYRKKNNQORNECNYNIIIEGKNIDNKNENLNENYIDMENNIISSFDDEKNFIS
FT          SEEMNSNSSYNIHDNFYNDGDFISNCDDTDFEEGQENNRNNIYIIEELGNIINNIF
FT          FKNSLLPNEIINIDNFLYEELLYNNCDIFIDMKYNSWATKTWLDKFNILQNEYICKK
FT          HNIILHEFCFINYLITIDIYNSLWVYRYFILNKLSYFHD LAKMQKEIYFCFTYANQFY
FT          DNQAI FNYFIH MVFLYIKLYQNASQIKQKNTLN IQCEKKEETYKHDERNIFQIPLVNY
FT          IKNELIKIQHKS FVLVFLSQLYSYNGSYDDEIEVNMER"
FT  repeat_region complement(41750..41784)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(41831..41897)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(42042..42350)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 42750..42777
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 42864..42902
FT          /rpt_type=TANDEM
FT  repeat_region complement(42864..42902)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(43081..43251)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(43260..43310)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(43322..43433)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 43446..43509
FT          /rpt_type=TANDEM
FT  repeat_region complement(43446..43491)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 43601..43758
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region 43796..43838
FT          /rpt_type=TANDEM
FT  repeat_region complement(43796..43838)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(43848..43939)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 44019..44046
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 44048..44122
FT          /rpt_type=TANDEM
FT  repeat_region complement(44048..44114)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(44115..44199)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 44209..44272

```

```

FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(44309..44343)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA      join(<44355..44357,44775..>45185)
FT          /locus_tag="PFL2055w"
FT  CDS      join(44355..44357,44775..45185)
FT          /codon_start=1
FT          /db_xref="GOA:Q8I502"
FT          /db_xref="SPTREMBL:Q8I502"
FT          /note="HMMPfam hit to PF00833, Ribosomal S17, score
FT          1.8e-63"
FT          /product="40S ribosomal protein S17, putative"
FT          /locus_tag="PFL2055w"
FT          /protein_id="AAN36495.1"
FT          /translation="MGRVRTKTIKRAARQIVEKYAKLTLDQINKKITEEVAIIPSKR
FT          MKNKVAGFVTHLMKRIQKGPVRGISLKLQEEERERRLDFVPEKSQIDVSVIYVEPDTLR
FT          MIKSLGINISNMKVHNPMTNTQQKQNRMNQF"
FT  repeat_region complement(44363..44413)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(44427..44456)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 44526..44573
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(44661..44744)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 44661..44736
FT          /rpt_type=TANDEM
FT  repeat_region complement(45178..45298)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(45322..45379)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 45322..45368
FT          /rpt_type=TANDEM
FT  repeat_region 45430..45467
FT          /rpt_type=TANDEM
FT  repeat_region complement(45430..45467)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(45511..45592)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(45696..45743)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 45894..45919
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(45932..45993)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 46021..46062
FT          /rpt_type=TANDEM

```

```

FT   repeat region   complement(46021..46062)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   mRNA             join(complement(48041..>48058),complement(47715..47775),
FT                       complement(47436..47528),complement(<46082..47289))
FT                       /locus_tag="PFL2060c"
FT   CDS             join(complement(48041..48058),complement(47715..47775),
FT                       complement(47436..47528),complement(46082..47289))
FT                       /codon_start=1
FT                       /db_xref="SPTREMBL:Q8I501"
FT                       /note="HMMPfam hit to PF00996, GDP dissociation inhibitor,
FT                       score 0"
FT                       /product="rabGDI protein"
FT                       /locus_tag="PFL2060c"
FT                       /protein_id="AAN36496.1"
FT                       /translation="MNEHYDVIIILGTGLKECILSGLLSHYGKKILVLDNRNPYYGGETAS
FT                       LNLTNLYNTFKPKENIPSKYGENRHWNVDLIPKFILVGGNLVKILKKTRVTNYLEWLIV
FT                       EGSYVYQHQQKGFLTSEKFIHKVPATDMEALVSPLLSLMEKNRCKNFYQYVSEWDANKR
FT                       NTWDNLDPYKLTMLEIYKHFNLCQLTIDFLGHAVALYLNDDYLKQPAYLTLERIKLYMQ
FT                       SISAFGKSPFIYPLYGLGGIPEGFSRMCAINGGTFMLNKNVDFVFDNNDKVCGIKSSD
FT                       GEIAYCDKVICDPSYVMHLKNKIKKIGQVIRCICILSNPIPETNQTNSCQIIIPQNQLN
FT                       RKSDIYINLVSFQHGVTLKGYIAIVSATVETNNPIKEIEKPLELLGTIEEFVKISDL
FT                       YVSTSKKPADNIFVTSSYDATSHFETATNDLLQIWENLWGQKLNFDLLNTNADGEAPDF
FT                       N"
FT   repeat region   complement(46541..46566)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat region   complement(47389..47432)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat region   47389..47414
FT                       /rpt_type=TANDEM
FT   repeat region   complement(47554..47577)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat region   47627..47653
FT                       /rpt_type=TANDEM
FT   repeat region   47627..47652
FT                       /rpt_unit=A
FT                       /rpt_type=TANDEM
FT   repeat region   complement(47653..47691)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat region   47665..47691
FT                       /rpt_type=TANDEM
FT   repeat region   complement(47777..47800)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat region   complement(47945..48006)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat region   47953..47986
FT                       /rpt_type=TANDEM
FT   repeat region   complement(48019..48039)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat region   complement(48089..48231)
FT                       /rpt_unit=TAAAAA
FT                       /rpt_type=TANDEM
FT   repeat region   48121..48192

```

```

FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region  48121..48188
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48251..48295)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48311..48358)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  48311..48347
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48359..48442)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48546..48599)
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region  48555..48597
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48609..48924)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48719..48756)
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48876..48912)
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48946..48973)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(48974..49118)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region  49004..49051
FT          /rpt_type=TANDEM
FT  repeat_region  49022..49098
FT          /rpt_type=TANDEM
FT  repeat_region  complement(49126..49148)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(49188..49390)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  complement(49413..49478)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region  49484..49511
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region  complement(49538..49585)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA          join(complement(50244..>50324),complement(49985..50157),
FT                  complement(<49580..49637))
FT          /locus_tag="PFL2065c"
FT  CDS          join(complement(50244..50324),complement(49985..50157),
FT                  complement(49580..49637))
FT          /codon_start=1

```

```

FT          /db_xref="GOA:Q8I500"
FT          /db_xref="SPTREMBL:Q8I500"
FT          /note="HMMPfam hit to PF02953, Tim10/DDP family zinc
FT          finger, score 5.5e-10"
FT          /product="mitochondrial import inner membrane translocase
FT          subunit, putative"
FT          /locus_tag="PFL2065c"
FT          /protein_id="AAN36497.1"
FT          /translation="MDLSSLPTDDNLDDKKRAAVCLKKLIYVLLSLQEIVQKQKENVKV
FT          MDICFNKCVSKIGPKLSSSEQKCIWDCANSYFYTNVFLNQRLEQMTKILKSNSDYTNL"
FT  repeat_region complement(49666..49692)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(49830..49870)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(49922..49954)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(49955..49979)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(50208..50250)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(50323..50497)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 50528..50558
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(50563..50630)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(50679..50735)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 50682..50735
FT          /rpt_type=TANDEM
FT  repeat_region complement(50742..50772)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 50742..50768
FT          /rpt_type=TANDEM
FT  repeat_region complement(50841..50879)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 50845..50875
FT          /rpt_type=TANDEM
FT  repeat_region complement(50905..50945)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 50905..50937
FT          /rpt_type=TANDEM
FT  repeat_region complement(51078..51101)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(51116..51163)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM

```

```

FT   repeat_region   complement(51218..51238)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   51252..51314
FT                       /rpt_unit=TAAAAA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(51318..51358)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(51423..51467)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(51710..51735)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(51799..51856)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(51872..51912)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(52003..52055)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   52094..52117
FT                       /rpt_unit=A
FT                       /rpt_type=TANDEM
FT   repeat_region   52200..52254
FT                       /rpt_type=TANDEM
FT   repeat_region   52204..52254
FT                       /rpt_unit=TAAAA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(52255..52312)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(52359..52407)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(52433..52465)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   52437..52470
FT                       /rpt_type=TANDEM
FT   mRNA             <52492..>53400
FT                       /locus_tag="PFL2070w"
FT   CDS             52492..53400
FT                       /codon_start=1
FT                       /db_xref="GOA:Q8I4Z9"
FT                       /db_xref="SPTREMBL:Q8I4Z9"
FT                       /note="HMMPfam hit to PF00804, Syntaxin, score 0.0001"
FT                       /product="t-SNARE, putative"
FT                       /locus_tag="PFL2070w"
FT                       /protein_id="AAN36498.1"
FT                       /translation="MEVIYRNITNTYFDYRREIKKKKNRFLRAYEKLDEDEDTGKENL
FT                               LNENEDLEMQEQSMLPPYWIEKIEECSEDINNMTKLIQLQKLQKNKLLNALNNDETLT
FT                               ENITQLSSNITFLIKNCEQKIQSVSSKDYDKDKNNIIEKLKNNAKSSLLSQLQSLSQTF
FT                               HKNQKSYIKEFKMKNAYDDLQYYQNFNEQNELLYQQEEQQHSSVNMKNRNSDLKKIAD
FT                               TVVDLHTIFKELSVMLVDQGSLLDQIDYNMEASLDKSEKGINKLKIIEKRENDKIAKCC
FT                               VSYLTTLIFVLLFLIIKHLY"
FT   repeat_region   complement(53352..53384)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(53408..53446)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 53413..53446
FT          /rpt_type=TANDEM
FT  repeat_region 53506..53527
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 53578..53603
FT          /rpt_type=TANDEM
FT  repeat_region complement(53578..53603)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 53712..53742
FT          /rpt_type=TANDEM
FT  repeat_region complement(53712..53742)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(53818..53844)
FT          /rpt_unit=CATA
FT          /rpt_type=TANDEM
FT  repeat_region complement(53845..53981)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 53998..54041
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 53998..54024
FT          /rpt_type=TANDEM
FT  repeat_region complement(54044..54088)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 54044..54085
FT          /rpt_type=TANDEM
FT  repeat_region complement(54143..54213)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA      complement(<54209..>54937)
FT          /locus_tag="PFL2075c"
FT  CDS      complement(54209..54937)
FT          /codon_start=1
FT          /db_xref="GOA:Q8I4Z8"
FT          /db_xref="SPTREMBL:Q8I4Z8"
FT          /note="HMMSmart hit to SM00451, U1-like zinc finger, score
FT          1.6e-09"
FT          /product="hypothetical protein, conserved"
FT          /locus_tag="PFL2075c"
FT          /protein_id="AAN36499.1"
FT          /translation="MSKKRKS YENDEDEVYDNKRKNKNVASSIDSYGRKVWDKEYYQKKV
FT          DEKVENDEDELI LKLLPDLKKKSKLE PPPPSERKLLLEERKENL LLEKNLGKVQILTQKT
FT          PKNEQGGYYCKI CDCVLKDSQTYLDHINGKNHNRMLGYSMKVKKVTLDDVKKRLSLLKD
FT          KKQNKTEDVEKDPYEDAKKNLKD MQEDEERRIQKRKEKKMLKKEKEKKKNENENENND
FT          EESDNMNMFMFKEMGLPTS FV"
FT  repeat_region complement(54276..54374)
FT          /rpt_unit=GAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(54965..55020)
FT          /rpt_unit=TA

```

```

FT          /rpt_type=TANDEM
FT  repeat_region 54970..55020
FT          /rpt_type=TANDEM
FT  repeat_region 55044..55097
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 55057..55097
FT          /rpt_type=TANDEM
FT  repeat_region complement(55098..55119)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(55196..55218)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(55250..55312)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(55438..55515)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(55518..55547)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(55565..55650)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(56226..56249)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(56301..56333)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(56418..56448)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 56591..56765
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  mRNA        join(complement(56977..>57150),complement(<56771..56836))
FT          /locus_tag="PFL2080c"
FT  CDS        join(complement(56977..57150),complement(56771..56836))
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I4Z7"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2080c"
FT          /protein_id="AAN36500.1"
FT          /translation="MESKHFYGDHMTHEKVRLLDSSNVTYEETPSFFNGNIIYSQKPT
FT          KKDNLKYRIEYLKDGTAIYYKRRLGDFKNIFCCF"
FT  repeat_region complement(56842..56886)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(56904..56942)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 56904..56932
FT          /rpt_type=TANDEM
FT  repeat_region complement(57218..57376)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(57425..57465)

```



```

FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(57462..57481)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 57549..57577
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(57633..57653)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(57664..57705)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 57664..57701
FT          /rpt_type=TANDEM
FT  repeat_region 57705..57729
FT          /rpt_type=TANDEM
FT  repeat_region complement(57706..57729)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(57804..57895)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 57950..57978
FT          /rpt_type=TANDEM
FT  repeat_region complement(57950..57978)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(58148..58181)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(58388..58438)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(58517..58565)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(58572..58618)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 58572..58610
FT          /rpt_type=TANDEM
FT  repeat_region complement(58699..59040)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(58699..58921)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 58971..59040
FT          /rpt_type=TANDEM
FT  repeat_region complement(58971..59026)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 58971..59022
FT          /rpt_type=TANDEM
FT  repeat_region complement(59108..59132)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 59175..59200

```

```

FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(59336..59424)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 59341..59366
FT          /rpt_type=TANDEM
FT  repeat_region 59364..59419
FT          /rpt_type=TANDEM
FT  mRNA        <59440..>60771
FT          /locus_tag="PFL2085w"
FT  CDS         59440..60771
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I4Z6"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2085w"
FT          /protein_id="AAN36501.1"
FT          /translation="MFPSFNNPYFNINKKCLQKENRIDMNPKNKVEGTEVTNELYLQFQN
FT          EINIFINCINGHEKKNKEINYVETSHVMTGSEDEFIFYLRNIQDNQEKEKNRKEKQLHS
FT          NIINYSEYNKNYTTTQHIWNGGDIEKKQKKKKKNYSSNSMKKYNNKNNENIIFENMLN
FT          KNEEILNHKISEIIEFGKKRNDPNIYNRANKNIYTYLKNCNLKGYENGYNISENYNDH
FT          NNINIYNCEEEDDIWNTFMFTRNDSKDSKMIIANFINRIKDSKQEQNNEDMMLKKYTHK
FT          KKKKNSYQSICNNYTEHLNFKNINMENEQKISFSNNYNQSNVFKEYEKIVKKNEEILIL
FT          LYKIIYKLNIFDINKKFNKKIEDVVNIYIIKVNNIISTYKLLLQYDNIQRRKLLEYFVK
FT          KNEIMLLKNILKYIIQLMSEIKHQYSGIKKQIQKKIMEIQKVAS"
FT  repeat_region complement(59463..59485)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(59576..59596)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(59842..59949)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(60015..60057)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(60104..60127)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(60263..60298)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(60454..60588)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(60779..60798)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 60836..60917
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(60957..60994)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(61036..61102)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(61144..61205)
FT          /rpt_unit=TA

```

```

FT          /rpt_type=TANDEM
FT  repeat_region 61166..61205
FT          /rpt_type=TANDEM
FT  repeat_region 61248..61279
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(61288..61319)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 61320..61353
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(61396..61426)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA          join(complement(63232..>63297),complement(63016..63102),
FT                  complement(62566..62792),complement(62213..62321),
FT                  complement(62010..62067),complement(61889..61924),
FT                  complement(61736..61788),complement(<61583..61627))
FT          /locus_tag="PFL2090c"
FT  CDS          join(complement(63232..63297),complement(63016..63102),
FT                  complement(62566..62792),complement(62213..62321),
FT                  complement(62010..62067),complement(61889..61924),
FT                  complement(61736..61788),complement(61583..61627))
FT          /codon_start=1
FT          /db_xref="GOA:Q8I4Z5"
FT          /db_xref="SPTREMBL:Q8I4Z5"
FT          /note="Similar to Saccharomyces cerevisiae nuclear protein
FT          snf7 SW:SNF7_YEAST (P39929) (240 aa) fasta scores: E():
FT          5.3e-09, 31.602% id in 231 aa, and to Arabidopsis thaliana
FT          hypothetical 24.3 kda protein TR:Q9SZE4 (EMBL:AL078470)
FT          (219 aa) fasta scores: E(): 2.3e-07, 29.384% id in 211 aa"
FT          /product="P. falciparum homologue of yeast snf7"
FT          /locus_tag="PFL2090c"
FT          /protein_id="AAN36502.1"
FT          /translation="MRFWFSKKKNSPEYSDNKKKNNDIYKAILKNREIDALEKKQVQ
FT          VEKKIKQLEIEAKQKVQNNQMNSAKILLKRKKLYEQEIENILNNRLTLEDNMINLENMH
FT          LHKIAVSALSYAANTHKKLNNEINPQKVEKI IDTIQENKDMQEEINQALS FNLINNVDD
FT          DEIDKELNLLKEQSLEKKLSAKVNNIPAI PNENINVPNKERQNVNFNEESDDEELKELI
FT          GEMT"
FT  repeat_region complement(61656..61704)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(61802..61844)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 61940..61960
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(61962..61989)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(62086..62113)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(62124..62206)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(62330..62374)
FT          /rpt_unit=TA

```

```

FT          /rpt_type=TANDEM
FT  repeat_region complement(62388..62466)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 62503..62549
FT          /rpt_type=TANDEM
FT  repeat_region complement(62503..62549)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 62643..62683
FT          /rpt_type=TANDEM
FT  repeat_region complement(62796..62863)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(62915..62955)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 62920..62955
FT          /rpt_type=TANDEM
FT  repeat_region complement(63111..63182)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 63400..63430
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(63434..63464)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(63468..63524)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 63468..63520
FT          /rpt_type=TANDEM
FT  repeat_region complement(63541..63621)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(63679..63716)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 63721..63749
FT          /rpt_type=TANDEM
FT  repeat_region complement(63721..63749)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(63892..63921)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(63942..64008)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 64087..64123
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(64182..64239)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(64295..64335)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(64401..64450)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (64464..64496)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement (64809..64866)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 64831..64866
FT          /rpt_type=TANDEM
FT  repeat_region complement (65149..65186)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (65209..65229)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (65255..65316)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (65328..65505)
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement (65534..65625)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 65572..65625
FT          /rpt_type=TANDEM
FT  repeat_region complement (65644..65721)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement (65742..65788)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement (65814..65855)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (65856..65921)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 65856..65891
FT          /rpt_type=TANDEM
FT  repeat_region complement (65956..65986)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 65987..66034
FT          /rpt_type=TANDEM
FT  repeat_region complement (65987..66034)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement (66058..66171)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 66177..66239
FT          /rpt_type=TANDEM
FT  repeat_region 66180..66238
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement (66239..66296)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM

```

```

FT   repeat_region   complement(66322..66402)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(66403..66432)
FT                       /rpt_unit=A
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(66433..66501)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   66446..66480
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(66446..66480)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(66502..66629)
FT                       /rpt_unit=TAAAAA
FT                       /rpt_type=TANDEM
FT   mRNA             join(<66661..66760,67115..67215,67440..>67586)
FT                       /locus_tag="PFL2095w"
FT   CDS              join(66661..66760,67115..67215,67440..67586)
FT                       /codon_start=1
FT                       /db_xref="GOA:Q8I4Z4"
FT                       /db_xref="SPTREMBL:Q8I4Z4"
FT                       /note="HMMPfam hit to PF01253, Translation initiation
FT                       factor SUI1, score 1.3e-32"
FT                       /product="Translation initiation factor SUI1, putative"
FT                       /locus_tag="PFL2095w"
FT                       /protein_id="AAN36503.1"
FT                       /translation="MNLAIQNLGINDPFTNENIVDKGNGKS NATNLIHIRNQQRNGRKS
FT                       VTTVQGLGKTFDLKKMVRALKKEFNCNGTIIEDIEHGSIIQLQGDKRNNVKEFLIREGI
FT                       CALEHIRIHGA"
FT   repeat_region   complement(66766..66843)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(66924..66974)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(67036..67097)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(67223..67267)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   67281..67304
FT                       /rpt_unit=A
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(67310..67409)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region   67361..67389
FT                       /rpt_type=TANDEM
FT   repeat_region   67387..67411
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(67590..67648)
FT                       /note="AT_rich"
FT                       /rpt_type=TANDEM
FT   repeat_region   67657..67717
FT                       /rpt_unit=A
FT                       /rpt_type=TANDEM
FT   repeat_region   complement(67852..67880)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (67892..67937)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 67892..67926
FT          /rpt_type=TANDEM
FT  repeat_region complement (67996..68034)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (68063..68121)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 68236..68270
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 68300..68319
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement (68374..68471)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 68434..68466
FT          /rpt_type=TANDEM
FT  repeat_region 68475..68520
FT          /rpt_type=TANDEM
FT  repeat_region complement (68475..68520)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement (68539..68582)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement (68584..68642)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (68767..68874)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (68947..69005)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 68964..69009
FT          /rpt_type=TANDEM
FT  repeat_region complement (69055..69122)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (69156..69209)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement (69292..69445)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 69532..69574
FT          /rpt_type=TANDEM
FT  repeat_region complement (69532..69574)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement (69598..69679)
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM

```

```

FT   repeat_region  69724..69749
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(69800..69879)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  69827..69861
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(69827..69861)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(69926..69950)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  69963..69998
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(70028..70150)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(70199..70239)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  70203..70239
FT                   /rpt_type=TANDEM
FT   repeat_region  70308..70347
FT                   /rpt_unit=TAAAA
FT                   /rpt_type=TANDEM
FT   mRNA           <70363..>71760
FT                   /locus_tag="PFL2100w"
FT   CDS             70363..71760
FT                   /codon_start=1
FT                   /db_xref="GOA:Q8I4Z3"
FT                   /db_xref="SPTREMBL:Q8I4Z3"
FT                   /note="Contains Plasmodium falciparum Cg2 omega repeats"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2100w"
FT                   /protein_id="AAN36504.1"
FT                   /translation="MWYDNERIVEEEGISRLLVGRTFAYFPKYVDGKNNSSISSEKENL
FT                   DSIDNITYDNKEYVLITQRLGRTIIPLNPELLAQSTFDQDIIDGYLNEIHKNVHNYSIL
FT                   TEYSFLMNEIPRNFYCLPQIDNLLIWDVFIMLYSTVYKNAKLKLQIRLSHNPNTCPEV
FT                   FFITPIFHPLVNIQTGKLNLTSLSNWDPSCHYMSLIPLYIKNLFYQLQEEYNKETVENQ
FT                   EALFLLNNDKDEFIKNVQKYINQGNKKIYDHMENCMFNFNQKEEHIEIKDKLENIKTDQ
FT                   VCARKAEAFVHWLINEYSMENTNGDGDTTNEDDNNINGDDNNINGDDNNINGDDNNING
FT                   DENINGYENNINGDENNINGDDNNINGDDNNINGDENINGYENNINGDDNNINGDEN
FT                   NINGDDNNINGDDNNINVDENNINEDENNKENIKRDDTNEEYNQNDNINVEKYSMDNYI
FT                   NNVSTNE"
FT   repeat_region  71299..71632
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(71726..71783)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  71818..71857
FT                   /rpt_unit=TAAAA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(71863..71924)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  71877..71902
FT                   /rpt_type=TANDEM

```



```

FT   repeat_region   complement(71941..71962)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72043..72092)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   mRNA             join(complement(72701..>73652),complement(72527..72598),
FT                               complement(72343..72393),complement(<72187..72224))
FT                               /locus_tag="PFL2105c"
FT   CDS              join(complement(72701..73652),complement(72527..72598),
FT                               complement(72343..72393),complement(72187..72224))
FT                               /codon_start=1
FT                               /db_xref="SPTREMBL:Q8I4Z2"
FT                               /product="hypothetical protein"
FT                               /locus_tag="PFL2105c"
FT                               /protein_id="AAN36505.1"
FT                               /translation="MNSILYKKIKLTDDAVKNFNVIRAFKYKQSITKNISWSCDGELLL
FT                               ASNGNDSITLYSLIKGNNIKTLYSKKSGVDVVRFLNNTNEVIICSTKSNTEHKQFLRF
FT                               WDIKENKYIKSLPQIGNICELNGISINYNKKLMLVNSDDGHVKLYYFNCDSPILYKSN
FT                               FVRPVSCFDNEGHIIFIASYGKKEIHFYDLLMYDRGEYNIIDLKNIMTNEEFITNLFFTP
FT                               DNKYIIIISTNHNHNYKIDSITGTIYICTYKYPRSENQQWMSNTTKDIINQYTYSQTNDK
FT                               LQQTLLNNTNEKNIYFQNRNDMFFMPTITPDGHYVMCGGKDAGIHIWSEGGNHVTTLYGH
FT                               EGPPNNVSFNPKCSVLASSCLNIALWQPSL"
FT   repeat_region   complement(72226..72247)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72248..72305)
FT                               /rpt_unit=TA
FT                               /rpt_type=TANDEM
FT   repeat_region   72260..72305
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72442..72474)
FT                               /rpt_unit=TA
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72482..72506)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72621..72672)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(72936..72985)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(73243..73266)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(73619..73639)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(73653..73679)
FT                               /rpt_unit=TA
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(73775..73810)
FT                               /rpt_unit=TA
FT                               /rpt_type=TANDEM
FT   repeat_region   73775..73806
FT                               /rpt_type=TANDEM
FT   repeat_region   complement(73811..73851)
FT                               /note="AT_rich"
FT                               /rpt_type=TANDEM

```

```

FT   repeat_region  73983..74010
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(73983..74010)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74015..74054)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  74152..74208
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74152..74208)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74240..74288)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74318..74471)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  74496..74523
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74496..74523)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  74537..74566
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  74571..74619
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74571..74619)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74680..74705)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(74718..74752)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   mRNA           join(complement(81056..>81439),complement(79985..80878),
FT                   complement(77703..79862),complement(75590..77351),
FT                   complement(75296..75364),complement(<74767..75038))
FT                   /locus_tag="PFL2110c"
FT   CDS            join(complement(81056..81439),complement(79985..80878),
FT                   complement(77703..79862),complement(75590..77351),
FT                   complement(75296..75364),complement(74767..75038))
FT                   /codon_start=1
FT                   /db_xref="SPTREMBL:Q8I4Z1"
FT                   /note="match to ESTs BM274594.1, BM273586.1"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2110c"
FT                   /protein_id="AAN36506.1"
FT                   /translation="MILDKFKNIVNLSNSNTEKEEGKNAEINENNDPNTQLAHEPSIVE
FT                   ADEKTFDEMLGAPQYTYDEFLQVLKNPIEERGDTEDMKKHGYP RRWKVILWDLHIQN
FT                   YMNNDFAFVDFDFGGNREECRIQRGSTMKIYAKGKTKNCLRTPVVTNVATEQKKNMNF
FT                   RNVFEYRGSYLDLENEKLRIRVWEYKQFTLNKLEGIYEEPLLSFAVGEIYNETTLYKFI
FT                   KDSRVKRCRLYFQLYFQELYDFELSFNLWSFSDLLSSSYIQAKSYNYLSNKNNVKKRYI
FT                   DDTSCNIFPHMCKNFKRFHKKKIYRKVRNYDIDKNFSFNTALSDSDERKNKNDRITIKN
FT                   LEKLFVRNLTLMQNIENEDMSYKNLQINLNPVRVTITLSHTPKGHEGLNIISIEQKS
FT                   IRFPIWENLGEIYFRGTLRLDLVSYLNKVEDMSAPKSAREIGTCQISLKGIVDYPYVM
FT                   HELEAPSWLVKEAKYEGWENKLNWKLGTVGKVIINRVPRYRQRGDIYHIDSKQPYLI

```

```

FT      VHIFNIDKIITVDNIKELDTYVEVSFDETSRRRLMKKTLSPNYDSQISIPFRFNNKND
FT      INYENLSKKGLIYIDVWGKSEDIVYIGGISISPYEIFFNEKNVRRNKTLEHIDLETNV
FT      KITYDTVVYRGCKKLCFLHDDQMSNIHFSIWTPDILGNSTNQKKIVAPVSFNTTMNF
FT      PIKLAEKYNKLLKFLMEVLKTIKSI PENCTDVNTSTRFYNYELINQRKEKHFLPTLITS
FT      IKSPYCAESMNAIFHYVRCIPFIHKKENIIFTPDFTLQLKGGNALDHSLLLCSLFLGIP
FT      VLAFCVFGTLWDKQKHSWVATFEYNDEKNYGIVKFWETTTGNVYILKKRFIDHNRKGL
FT      ELKLKESKYKSHLRNGFLQRYENNTDINYIKEQTKRHIKQLFKNRINDIPIGGPSLPYK
FT      TIDLI FNHKNIYVNLQHSSPLNIWYDYWKFDWFPFSSIEYNLQPSFTIKSFTHKMEDM
FT      ELDKIAKELRTNIEKNINIYRASRNLSRWNREDETLEIFLQVGLELLHQLNTRSKEDVL
FT      LAKLKIEDWKKALYHKVPQSHRLLGFPYHFNTYKSKFISDKLISTLAILESRRSLCLS
FT      LAVCLYSLPGNFISCYIYIITCVKITQRELKMEIIEKAQRM AEIKNSQKKKKSSDDQ
FT      NIDIKTMDVVEKETFSSTNLDDTLHDEHTDIDTEKKKHEKDNYKNKKIKNTKLKDANI
FT      DNEEKDDHHHITDKKVS KSSDLIHSFDKNDISKNTFDKEEFINNLDKDKKYSSFKKGNV
FT      VNKKVSIKNEPSINIYEDHKIYDDENISNNIDNMENNQDEIYNLRQGTIINEFQQVKK
FT      PQKYTINEKRDDIKTKKKRSKEKKKQDKLEFEKLIQSNAYFEQEKKKLQEDIKKLEKDK
FT      EQFQKEKIRREEKEKQLLLEEKIKLQKEKELFENEKLERKMSYMLKINELEKKKNERNK
FT      MEKSYKRMIQDKKEKKKKESRDKIRRGEEKMSADENMKVEEQKMREEQKVEEQKMR
FT      EQKVGEQKLREEQKMREEQKMREEQKMREEQKMREEQKVEEQKMREEQKMR
FT      EEQKVREEQKLREEQKMREEQKMREEQKMREEEKIREEEQMKREKKMRREEKKRVQEP
FT      IKIDEIQVYDIKNEKMKKKKEEKEKKRKKKKEDIEDKYKIGKEASLDENNNERQIKSK
FT      NIQEISDYEYKNIKENKNLNKFDEKLDLNQIYSKASNFDYDQEKKRRTIKVHANRKENS
FT      DSTFSHIDDSIKNKKEYLEDSNIARYLYEKRKHDLIGKGNYNFDEPHYGKKMNNVAYQD
FT      IKGSNLFKGFIEEPSSSKSPQKKKIVIVRKN"
FT      repeat_region      complement(75178..75216)
FT                          /rpt_unit=A
FT                          /rpt_type=TANDEM
FT      repeat_region      75186..75216
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75233..75294)
FT                          /note="AT_rich"
FT                          /rpt_type=TANDEM
FT      repeat_region      75378..75440
FT                          /rpt_type=TANDEM
FT      repeat_region      75383..75423
FT                          /rpt_unit=TAAA
FT                          /rpt_type=TANDEM
FT      repeat_region      75401..75440
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75447..75583)
FT                          /rpt_unit=TA
FT                          /rpt_type=TANDEM
FT      repeat_region      75447..75510
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75636..75735)
FT                          /rpt_unit=TAAAAA
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75778..75824)
FT                          /rpt_unit=GAAAA
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75887..75927)
FT                          /rpt_unit=GAAAA
FT                          /rpt_type=TANDEM
FT      repeat_region      75929..76297
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(75950..76124)
FT                          /rpt_unit=GAA
FT                          /rpt_type=TANDEM
FT      repeat_region      complement(76041..76213)
FT                          /rpt_unit=CAAAAA
FT                          /rpt_type=TANDEM

```

FT	<u>repeat_region</u>	complement(76203..76378)
FT		/rpt_unit=GAA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(76257..76433)
FT		/rpt_unit=GAAAA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(76686..76756)
FT		/rpt_unit=A
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(77138..77167)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	77354..77456
FT		/rpt_unit=A
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	77461..77592
FT		/rpt_unit=TA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	77463..77497
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	77561..77592
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(77630..77679)
FT		/rpt_unit=TA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(78113..78141)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(78306..78343)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(79012..79042)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	79894..79945
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(79894..79945)
FT		/rpt_unit=TA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	79945..79982
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(79946..79982)
FT		/rpt_unit=A
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(80347..80384)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	80892..80920
FT		/rpt_unit=A
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(80938..80978)
FT		/rpt_unit=TA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(81001..81043)
FT		/note="AT_rich"
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(81485..81525)
FT		/rpt_unit=TA
FT		/rpt_type=TANDEM
FT	<u>repeat_region</u>	complement(81572..81593)

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 81650..81680
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(81685..81717)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(81731..81784)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 81812..81845
FT          /rpt_type=TANDEM
FT  repeat_region complement(81812..81845)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 81872..81941
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 81902..81930
FT          /rpt_type=TANDEM
FT  repeat_region complement(81942..82015)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 81944..81970
FT          /rpt_type=TANDEM
FT  repeat_region 81968..82003
FT          /rpt_type=TANDEM
FT  repeat_region 82138..82175
FT          /rpt_type=TANDEM
FT  repeat_region complement(82138..82175)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(82180..82218)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(82336..82370)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(82380..82432)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 82473..82498
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 82514..82558
FT          /rpt_unit=CATA
FT          /rpt_type=TANDEM
FT  repeat_region 82677..82750
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 82680..82775
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 82778..82819
FT          /rpt_type=TANDEM
FT  repeat_region complement(82778..82819)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 82866..82960

```

```

FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region 82900..83084
FT          /rpt_unit=TAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 83050..83084
FT          /rpt_type=TANDEM
FT  repeat_region 83050..83080
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  mRNA          join(complement(86164..>86354), complement(83400..85964),
FT                  complement(<83102..83264))
FT                  /locus_tag="PFL2115c"
FT  CDS          join(complement(86164..86354), complement(83400..85964),
FT                  complement(83102..83264))
FT                  /codon_start=1
FT                  /db_xref="SPTREMBL:Q8I4Z0"
FT                  /note="HMMPfam hit to PF01134, Glucose inhibited division
FT                  protein A, score 4.3e-183"
FT                  /product="glucose inhibited division protein A homologue,
FT                  putative"
FT                  /locus_tag="PFL2115c"
FT                  /protein_id="AAN36507.1"
FT                  /translation="MFIIIIFFEMFIRFNKFLKLKVSFYSLLLLLLFIYYIFFCSPCY
FT                  AYNFSKVKQTFWLPYSPKIKRGNHLKSSQISEKPCPCNNVKKNYDVIVIGGGHSGCEAS
FT                  YISAKSNAMTLLVTQNKETIGEMSCNPSIGGIGKGILVKEIDALGGLMGKVIDKSGIHF
FT                  KILNMKKGLAVRGHRAQADRDLYNYMKEYLYNTPNLDI LENSQSLIDTYEDKNNNN
FT                  DNINDYNNNVKKKKIYGIKNKCSCEIYSHNVILTGTGFLGGICHIGKDKYIGGRIKRLI
FT                  NNFDLKMKKGNIESIKTNDEPIIKQDKLKKINQNGESTINNMHNNYNEDNKKYINYEEN
FT                  LNIPFEKLIESSTKNIAQQLRENNFEIKRMKTGTPPRLDINSINFHVLEREDTEKDYPF
FT                  YFSFLNMKNKNNKTLPCKYKTYTNLKTHELVRNNLAQLPDYDSFDKFGNGPRYCPSIAK
FT                  KVMKFSEKKKHIIWIEPEGFNNKLIYPNGLSSAYPIHIQKDIINSIKGLENAQIVFPAY
FT                  DVEYYYVNPCKLNYTLETKNVKGLFLAGQICGTTGYEEAACQGIVAGINAALNSKKDNN
FT                  KYNNNNNNNNNNNHNINDEVNKFILKRNESYIGVLIHDLINKGITEPYRMFTSRAEYR
FT                  LFLRPDNCDIRLTPKANQLGIVSKERIYMLRQKYSSVNKFIYVFKKILINEDNPNSTYE
FT                  NMNKSNTYINETKEIKKNIKHNVNQELQHIDKLNPNNNLIYSKNDNNHINTIETNIREKQ
FT                  FEASNNYNKQNDLQTYNHIDNEKNILKKENKLSLNTKLFNSKNNNSNINYTHHDNKNI
FT                  KSLYNILKSGVEYPLNDLLHGKLNHLNQEQQFKNYLSKHIYSLDIYKDIYTRDPSFFNSD
FT                  DVLINIATLETACAEIKYSSYLKKQFQEIRKINDNFDLVI PRDLKYDRNNFPYLSNEEI
FT                  EKLNKFKPQTLFEANKIEGVTMSAVNYLYYHIKYERRKENKS"
FT  repeat_region 83278..83305
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 83312..83379
FT          /rpt_type=TANDEM
FT  repeat_region complement(83312..83379)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(83695..83733)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(83926..83969)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(84371..84435)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region 84374..84435
FT          /rpt_type=TANDEM
FT  repeat_region complement(84704..84724)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(84921..84958)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(85145..85185)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(85426..85461)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(85463..85506)
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(85567..85605)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 85967..86044
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(86093..86118)
FT          /rpt_unit=CATA
FT          /rpt_type=TANDEM
FT  repeat_region complement(86126..86162)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 86231..86285
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(86298..86351)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 86419..86474
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(86532..86559)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(86645..86733)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(86791..86860)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 86814..86852
FT          /rpt_type=TANDEM
FT  repeat_region complement(86920..86980)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 87009..87124
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region 87191..87248
FT          /rpt_type=TANDEM
FT  repeat_region 87193..87268
FT          /rpt_type=TANDEM
FT  repeat_region complement(87193..87266)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(87301..87337)

```

```

FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 87352..87420
FT          /rpt_type=TANDEM
FT  repeat_region complement(87352..87420)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 87352..87400
FT          /rpt_type=TANDEM
FT  repeat_region complement(87442..87490)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 87442..87482
FT          /rpt_type=TANDEM
FT  repeat_region complement(87510..87617)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(87659..87783)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(87818..87842)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 88010..88046
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(88066..88097)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(88157..88220)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 88161..88220
FT          /rpt_type=TANDEM
FT  repeat_region complement(88271..88348)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 88291..88336
FT          /rpt_type=TANDEM
FT  repeat_region complement(88349..88369)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  mRNA        join(<88380..91758,91865..91975,92156..92341,92496..92665,
FT              92815..>92859)
FT          /locus_tag="PFL2120w"
FT  CDS        join(88380..91758,91865..91975,92156..92341,92496..92665,
FT              92815..92859)
FT          /codon_start=1
FT          /db_xref="SPTREMBL:Q8I4Y9"
FT          /note="match to ESTs BM274216.1, N98121.1"
FT          /product="hypothetical protein"
FT          /locus_tag="PFL2120w"
FT          /protein_id="AAN36508.1"
FT          /translation="MKKEGVDHNKLPNKEVNNFRMLTQLIELKKHKKAYKICEQILKKY
FT              PKNGETLSVKGYLLNLMDDKNKEDAFRLIKEGIKNNLSSSFCWYLYGCLYKIYKNYDEA
FT              LKCFMKSIKLNRDFKALKEACIILLYLKRYDQFKDLRLDMYNDVKNVVDKAVLVFSY
FT              HLTKSYEKCYVVIKQIDNELINDNELSINEKHDLLVYLSEILLEGKKYKECLNFLNKYQ
FT              SVLLDTLWYYQMLGLLYLYQDDFKTSNLYFKKAFSMNYENINILLILYTERDYMHCD
FT              NNTDEKDQNLNCKENITNSMSTNTQGKKTLSLFLDYKNEHKANEKVILDNNVKILL
FT              HELILDIYGSDRNKLKLSYVEKNIINDYICHNLDMKKYDIYSVSQFNNFVNINLIDQHN

```



```

FT      IIPSMIDIDNVDGFIDKLNENIKKENKNILNNNNNNNNANLDKSPYDYHQFNNLHFSELL
FT      GVDLPYCYKKKYEKHMDKLYYFKIKNLNEEEECLEKYFNNLQQLYKNSNLLKIIPLYF
FT      FNENKFSLYVEQLIRSLCFQKSLTIFNYFKPLLTFRNINIILFLLHKYIDYYDKQKDIC
FT      PFIVKTDIQVKNDIMEENTQNLKTKNNEHMENKEDLNNISDHLQNVKNLDTSTHFekre
FT      DMEQHDEKMYNKNEKDSNGILLSDHNNNNKDNKKSCKNDKVDEEEDDDENIPSELNDKD
FT      LEKLIKNEVEIKDLGMISSPLGNNNIKKKKDNKKKNNDNENKEIKLCLKKSCLTNEEKKE
FT      YFIICIYSFIIQLYDIINCTDKALELIEKCIKSIEQKTNKNLIYELIFIKGLIYKRNGN
FT      YLGAYKFEQCRNVNIGDRYINTKTIKTCLKGLIKDAKKMASIFTNPLDNNFFKNINE
FT      TQCFWLEYNISLSYVNNHPNIHLIHYLKTEANNIYDFKNVSPCDNQHNVKNIITQNGNI
FT      PHHNDNNNNNNNNDDDTNKIDDMLNETPFNLKKSILLENDINSKNI FQDYSKGLHLLHM
FT      GHKQFIDIHEDQICFYYYTMRKMLFKTYRHLLYMTGHLFSSRFYRRFGKSLIRILIDMY
FT      DFKITGKVETNKGKKNKTNNNNNNNNVNLQENIFYEHIQNEPLDNAMIYMNFTLS
FT      QPNIDISVHRLNVEIEKRKGKDYIQLINIITKMKSI FPHHNYHHKLAPVISHYLHTVPI
FT      DDMSDNDKKEITTKLNELFNLNHSEYDVNLLKTIRKQYIEDFINFFEEHKKGDLCCYYQS
FT      ALEVYMDCKNEKIDSRFLKKVDMNIEKNKLERCFKFLRLFIKHKKEHLSLSELIDPFKAA
FT      CRKIYPLATAFE"
FT      repeat_region complement(89004..89042)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(89124..89193)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(89368..89423)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(89612..89663)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region 89664..89687
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region complement(89803..89837)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(89860..89936)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region 90358..90403
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 90528..90583
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region complement(90637..90693)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(90752..90803)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement(90964..90989)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region 91185..91218
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 91583..91610
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 91764..91810
FT      /rpt_unit=TAAAA

```

```

FT          /rpt_type=TANDEM
FT  repeat_region complement(91811..91863)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 91978..92019
FT          /rpt_type=TANDEM
FT  repeat_region complement(91982..92019)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(92088..92153)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region 92090..92152
FT          /rpt_type=TANDEM
FT  repeat_region 92402..92454
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region 92402..92442
FT          /rpt_type=TANDEM
FT  repeat_region complement(92659..92686)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(92706..92733)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(92756..92779)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(92780..92812)
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 92862..92897
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region complement(92900..92931)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(92959..93015)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(93069..93096)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(93143..93183)
FT          /rpt_unit=TAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(93213..93308)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region 93324..93352
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 93423..93462
FT          /rpt_type=TANDEM
FT  repeat_region complement(93423..93462)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(93486..93549)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM

```

```

FT      mRNA      complement (<93547..>96384)
FT      /locus_tag="PFL2125c"
FT      CDS      complement (93547..96384)
FT      /codon_start=1
FT      /db_xref="GOA:Q8I4Y8"
FT      /db_xref="SPTREMBL:Q8I4Y8"
FT      /product="hypothetical protein"
FT      /locus_tag="PFL2125c"
FT      /protein_id="AAN36509.1"
FT      /translation="MVKIRKNVENMELYDYMKELNENVWCYFFDDSLAHETIYHSLNEL
FT      EQIIISRLIFIQQVVSERAMRLWINPNYLKKLSESIKNLVEAKILVESDMKKDNYNQYK
FT      INENFRITLLNKIYKTNTNNIFIFNNNIKEQLEREKNLYEQNLFPKKEEIFGYAQTAWN
FT      NLLHFIASPNFNSVNNYFNSNINNDDPNKYTAYDMARRKRVSKDGGPDMGRKSLDKMAS
FT      RRSYNRRRKKKKYSDDDEDFDEEYEGEDDDNSGDDDDDDDDDDDDDDDDDDDDDDDDND
FT      DDDNDDDDDDDDSDDDNDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDND
FT      STAYVENPSSDYTYKKEDDNKTEQRKSVHFNSDIYEKAYNNLYTQQGDSNNINEMEYYM
FT      ADTKTNNNKKKKKKKHIIYAYKQNELYYKSLNMEHSYIEEENYNNESTFFLSNINER
FT      FMTKPSESVIEVLRRKNFLDDPNNTKTINMSREAFSWFLKDLRSRIISLVLEYLLIID
FT      NGYVTNIAKDVYTKYQKKKNNAINNMNNSSSGINNNINFDENIKSNHCEESKKSYDNN
FT      NNNNNNNSSSSSSSCAYITRTNKDPKKSEIYVKETLLLLILSLSQCDISHPIFLENLTKA
FT      QKEFIDFGSHIGLFLKPNDYIFITPYALLLTINNFSQYYLSLLSNITIEGLCEEDVR
FT      KRLSKRYFHFYLLKQDEKEETYMNKDLSSDIKNKDEKSLIDKRKNITKKLINDSLYSD
FT      IKMNGSNNLEIGLIVQSNFKVLYTSSLLKINILSHLCELQARTPNMVVGILTRRSVLN
FT      AYNSDITANQIIKFLESYSHPGKNNFKSSIPMNVITQLKLWESERHRLTLEDAIVFKSF
FT      EKDFMPHLYQQIWIWANSKNYLLYYTPWPKNNTKEFDLWIKAEKYLCCIIYESKNEIIDK
FT      IKEIREKLMKKRQSG"
FT      repeat_region complement (94023..94045)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (94368..94395)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (94617..94667)
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 94632..94664
FT      /rpt_type=TANDEM
FT      repeat_region complement (94694..94785)
FT      /rpt_unit=TAA
FT      /rpt_type=TANDEM
FT      repeat_region 95437..95634
FT      /rpt_type=TANDEM
FT      repeat_region 95458..95634
FT      /rpt_unit=CAT
FT      /rpt_type=TANDEM
FT      repeat_region 95458..95617
FT      /rpt_type=TANDEM
FT      repeat_region complement (95824..95855)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region complement (95986..96092)
FT      /note="AT_rich"
FT      /rpt_type=TANDEM
FT      repeat_region 96494..96520
FT      /rpt_type=TANDEM
FT      repeat_region complement (96494..96520)
FT      /rpt_unit=A
FT      /rpt_type=TANDEM
FT      repeat_region complement (96577..96667)
FT      /note="AT_rich"

```

```

FT          /rpt_type=TANDEM
FT  repeat_region complement(96714..96783)
FT          /rpt_unit=TAAAAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(96839..96874)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(96925..97084)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 97200..97255
FT          /rpt_type=TANDEM
FT  repeat_region complement(97200..97255)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(97336..97363)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(97377..97454)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 97391..97454
FT          /rpt_type=TANDEM
FT  repeat_region complement(97509..97559)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(97614..97656)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region complement(97719..97784)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(97883..97980)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 97908..97943
FT          /rpt_type=TANDEM
FT  repeat_region 98046..98072
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 98092..98195
FT          /rpt_unit=TATAA
FT          /rpt_type=TANDEM
FT  repeat_region 98268..98300
FT          /rpt_unit=A
FT          /rpt_type=TANDEM
FT  repeat_region 98268..98292
FT          /rpt_type=TANDEM
FT  repeat_region complement(98306..98355)
FT          /note="AT_rich"
FT          /rpt_type=TANDEM
FT  repeat_region complement(98377..98483)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 98804..98947
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(98841..98881)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM

```

```

FT   repeat_region  98845..98881
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(98973..99021)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99054..99089)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  99150..99196
FT                   /rpt_unit=TATAA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99224..99246)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99271..99312)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99313..99341)
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99345..99557)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99632..99747)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99705..99776)
FT                   /rpt_unit=TAAA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99862..99930)
FT                   /rpt_unit=TAAAA
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(99893..99930)
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  99948..100029
FT                   /rpt_unit=TAA
FT                   /rpt_type=TANDEM
FT   repeat_region  99956..100010
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(100064..100252)
FT                   /note="AT_rich"
FT                   /rpt_type=TANDEM
FT   repeat_region  100259..100285
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(100259..100285)
FT                   /rpt_unit=A
FT                   /rpt_type=TANDEM
FT   repeat_region  100314..100360
FT                   /rpt_type=TANDEM
FT   repeat_region  complement(100314..100360)
FT                   /rpt_unit=TA
FT                   /rpt_type=TANDEM
FT   mRNA           join(<100359..104318,104502..>104549)
FT                   /locus_tag="PFL2130w"
FT   CDS            join(100359..104318,104502..104549)
FT                   /codon_start=1
FT                   /db_xref="GOA:Q8I4Y7"
FT                   /db_xref="SPTREMBL:Q8I4Y7"
FT                   /note="match to ESTs AU087805.1, BI815687.1, BI815424.1"

```